74HC138; 74HCT138

3-to-8 line decoder/demultiplexer; inverting Rev. 5 — 26 January 2015

Product data sheet

1. **General description**

The 74HC138; 74HCT138 decodes three binary weighted address inputs (A0, A1 and A2) to eight mutually exclusive outputs (Y0 to Y7). The device features three enable inputs (E1, E2 and E3). Every output will be HIGH unless E1 and E2 are LOW and E3 is HIGH. This multiple enable function allows easy parallel expansion to a 1-of-32 (5 to 32 lines) decoder with just four '138' ICs and one inverter. The '138' can be used as an eight output demultiplexer by using one of the active LOW enable inputs as the data input and the remaining enable inputs as strobes. Inputs include clamp diodes. This enables the use of current limiting resistors to interface inputs to voltages in excess of V_{CC}.

2. Features and benefits

- Complies with JEDEC standard no. 7A
- Input levels:
 - For 74HC138: CMOS level
 - ◆ For 74HCT138: TTL level
- Demultiplexing capability
- Multiple input enable for easy expansion
- Ideal for memory chip select decoding
- Active LOW mutually exclusive outputs
- ESD protection:
 - ♦ HBM JESD22-A114F exceeds 2000 V
 - MM JESD22-A115-A exceeds 200 V
- Multiple package options
- Specified from -40 °C to +85 °C and from -40 °C to +125 °C

Ordering information 3.

Table 1. **Ordering information**

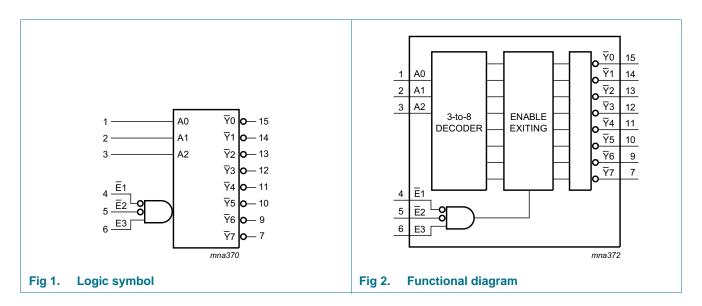
Type number	Package									
	Temperature range	Name	Version							
74HC138N	–40 °C to +125 °C	DIP16	plastic dual in-line package; 16 leads (300 mil)	SOT38-4						
74HCT138N										
74HC138D	−40 °C to +125 °C	SO16	plastic small outline package; 16 leads;	SOT109-1						
74 HCT138D			body width 3.9 mm							
74HC138DB	-40 °C to +125 °C	SSOP16	plastic shrink small outline package; 16 leads;	SOT338-1						
74HCT138DB			body width 5.3 mm							

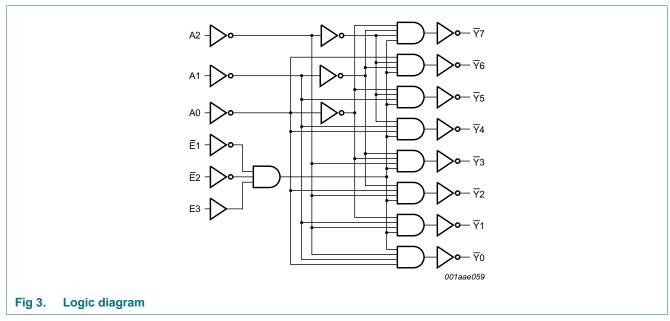


 Table 1.
 Ordering information ...continued

Type number	Package									
	Temperature range	Name	Description	Version						
74HC138PW	-40 °C to +125 °C	TSSOP16	plastic thin shrink small outline package;	SOT403-1						
74HCT138PW			16 leads; body width 4.4 mm							
74HC138BQ	-40 °C to +125 °C	DHVQFN16	F	SOT763-1						
74HCT138BQ			very thin quad flat package; no leads; 16 terminals; body $2.5 \times 3.5 \times 0.85$ mm							

4. Functional diagram



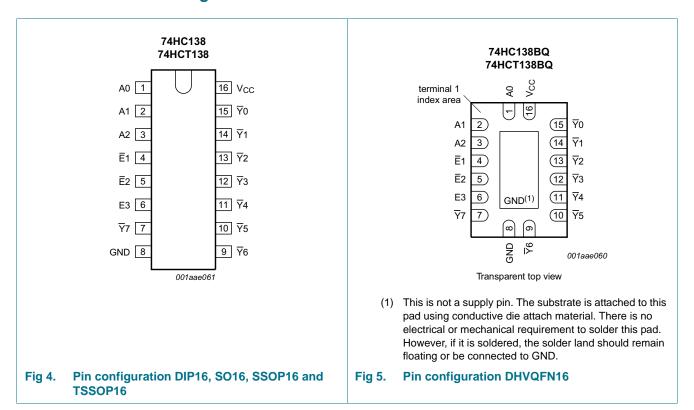


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5. Pinning information

5.1 Pinning



5.2 Pin description

Table 2. Pin description

Symbol	Pin	Description
A0, A1, A2	1, 2, 3	address input A0, A1, A2
<u>E</u> 1, <u>E</u> 2	4, 5	enable input E1, E2 (active LOW)
E3	6	enable input E3 (active HIGH)
$\overline{Y}0, \overline{Y}1, \overline{Y}2, \overline{Y}3, \overline{Y}4, \overline{Y}5, \overline{Y}6, \overline{Y}7$	15, 14, 13, 12, 11, 10, 9, 7	output $\overline{Y}0$, $\overline{Y}1$, $\overline{Y}2$, $\overline{Y}3$, $\overline{Y}4$, $\overline{Y}5$, $\overline{Y}6$, $\overline{Y}7$ (active LOW)
GND	8	ground (0 V)
V _{CC}	16	positive supply voltage

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6. Functional description

Table 3. Function table[1]

Contr	ol		Input			Outp	ut						
E1	E2	E3	A2	A 1	A0	Y 7	<u>Y</u> 6	<u>Y</u> 5	<u>Y</u> 4	<u>Y</u> 3	<u>Y</u> 2	<u>Y</u> 1	<u>Y</u> 0
Н	Х	Х	Х	Х	Х	Н	Н	Н	Н	Н	Н	Н	Н
X	Н	Х											
X	Х	L											
L	L	Н	L	L	L	Н	Н	Н	Н	Н	Н	Н	L
			L	L	Н	Н	Н	Н	Н	Н	Н	L	Н
			L	Н	L	Н	Н	Н	Н	Н	L	Н	Н
			L	Н	Н	Н	Н	Н	Н	L	Н	Н	Н
			Н	L	L	Н	Н	Н	L	Н	Н	Н	Н
			Н	L	Н	Н	Н	L	Н	Н	Н	Н	Н
			Н	Н	L	Н	L	Н	Н	Н	Н	Н	Н
			Н	Н	Н	L	Н	Н	Н	Н	Н	Н	Н

^[1] H = HIGH voltage level;

7. Limiting values

Table 4. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134). Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	I	Min	Max	Unit
V _{CC}	supply voltage		-	-0.5	+7	V
I _{IK}	input clamping current	$V_{I} < -0.5 \text{ V or } V_{I} > V_{CC} + 0.5 \text{ V}$	-	-	±20	mA
I _{OK}	output clamping current	$V_{O} < -0.5 \text{ V or } V_{O} > V_{CC} + 0.5 \text{ V}$	-	-	±20	mA
Io	output current	$V_{O} = -0.5 \text{ V to } (V_{CC} + 0.5 \text{ V})$	-	-	±25	mA
I _{CC}	quiescent supply current		-	-	50	mA
I _{GND}	ground current		-	-	-50	mA
T _{stg}	storage temperature		-	- 65	+150	°C
P _{tot}	total power dissipation					
	DIP16 package		<u>[1]</u> .	-	750	mW
	SO16 package		[2]	-	500	mW
	SSOP16 package		[3]	-	500	mW
	TSSOP16 package		[3]	-	500	mW
	DHVQFN16 package		<u>[4]</u> .	-	500	mW

^[1] For DIP16 package: P_{tot} derates linearly with 12 mW/K above 70 °C.

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L = LOW voltage level;

X = don't care.

^[2] For SO16 package: P_{tot} derates linearly with 8 mW/K above 70 °C.

^[3] For SSOP16 and TSSOP16 packages: P_{tot} derates linearly with 5.5 mW/K above 60 °C.

^[4] For DHVQFN16 packages: P_{tot} derates linearly with 4.5 mW/K above 60 °C.

8. Recommended operating conditions

Table 5. Recommended operating conditions

Voltages are referenced to GND (ground = 0 V)

Symbol	Parameter	Conditions	s 74HC138			7	8	Unit	
			Min	Тур	Max	Min	Тур	Max	
V _{CC}	supply voltage		2.0	5.0	6.0	4.5	5.0	5.5	V
VI	input voltage		0	-	V _{CC}	0	-	V _{CC}	V
Vo	output voltage		0	-	V _{CC}	0	-	V _{CC}	V
T _{amb}	ambient temperature		-40	+25	+125	-40	+25	+125	°C
Δt/ΔV	input transition rise and fall rate	V _{CC} = 2.0 V	-	-	625	-	-	-	ns/V
		V _{CC} = 4.5 V	-	1.67	139	-	1.67	139	ns/V
		$V_{CC} = 6.0 \text{ V}$	-	-	83	-	-	-	ns/V

9. Static characteristics

Table 6. Static characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	Tai	_{nb} = 25	°C	T _{amb} = -	40 °C to 5 °C		-40 °C to 5 °C	Unit
				Тур	Max	Min	Max	Min	Max	
74HC13	8									
V _{IH}	HIGH-level	V _{CC} = 2.0 V	1.5	1.2	-	1.5	-	1.5	-	V
	input voltage	V _{CC} = 4.5 V	3.15	2.4	-	3.15	-	3.15	-	V
		$V_{CC} = 6.0 \text{ V}$	4.2	3.2	-	4.2	-	4.2	-	V
V_{IL}	LOW-level	V _{CC} = 2.0 V	-	0.8	0.5	-	0.5	-	0.5	V
	input voltage	$V_{CC} = 4.5 \text{ V}$	-	2.1	1.35	-	1.35	-	1.35	V
		$V_{CC} = 6.0 \text{ V}$	-	2.8	1.8	-	1.8	-	1.8	V
V _{OH}	HIGH-level	$V_I = V_{IH}$ or V_{IL}								
	output voltage	$I_O = -20 \mu A$; $V_{CC} = 2.0 \text{ V}$	1.9	2.0	-	1.9	-	1.9	-	V
		$I_O = -20 \mu A$; $V_{CC} = 4.5 \text{ V}$	4.4	4.5	-	4.4	-	4.4	-	V
		$I_O = -20 \mu A$; $V_{CC} = 6.0 \text{ V}$	5.9	6.0	-	5.9	-	5.9	-	V
		$I_{O} = -4.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	3.98	4.32	-	3.84	-	3.7	-	V
		$I_{O} = -5.2 \text{ mA}; V_{CC} = 6.0 \text{ V}$	5.48	5.81	-	5.34	-	5.2	-	V
V_{OL}	LOW-level	$V_I = V_{IH}$ or V_{IL}								
	output voltage	$I_O = 20 \mu A; V_{CC} = 2.0 \text{ V}$	-	0	0.1	-	0.1	-	0.1	V
		$I_O = 20 \mu A; V_{CC} = 4.5 V$	-	0	0.1	-	0.1	-	0.1	V
		$I_O = 20 \mu A; V_{CC} = 6.0 \text{ V}$	-	0	0.1	-	0.1	-	0.1	V
		$I_O = 4.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	0.15	0.26	-	0.33	-	0.4	V
		$I_{O} = 5.2 \text{ mA}; V_{CC} = 6.0 \text{ V}$	-	0.16	0.26	-	0.33	-	0.4	V
I _I	input leakage current	$V_I = V_{CC}$ or GND; $V_{CC} = 6.0 \text{ V}$	-	-	±0.1	-	±1.0	-	±1.0	μА
I _{CC}	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 6.0 \text{ V}$	-	-	8.0	-	80	-	160	μА

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 Table 6.
 Static characteristics ...continued

At recommended operating conditions; voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	Tar	_{nb} = 25	°C		-40 °C to 5 °C		-40 °C to 25 °C	Unit
			Min	Тур	Max	Min	Max	Min	Max	
Cı	input capacitance		-	3.5	-					pF
74HCT1	38		1	1	1					
V_{IH}	HIGH-level input voltage	V _{CC} = 4.5 V to 5.5 V	2.0	1.6	-	2.0	-	2.0	-	V
V_{IL}	LOW-level input voltage	V _{CC} = 4.5 V to 5.5 V	-	1.2	8.0	-	0.8	-	0.8	V
V _{OH}	HIGH-level	$V_I = V_{IH}$ or V_{IL} ; $V_{CC} = 4.5 \text{ V}$								
	output voltage	I _O = -20 μA	4.4	4.5	-	4.4	-	4.4	-	V
		$I_O = -4 \text{ mA}$	3.98	4.32	-	3.84	-	3.7	-	V
V _{OL}	LOW-level	$V_I = V_{IH}$ or V_{IL} ; $V_{CC} = 4.5 \text{ V}$								
	output voltage	I _O = 20 μA	-	0	0.1	-	0.1	-	0.1	V
		$I_{O} = 4.0 \text{ mA}$	-	0.15	0.26	-	0.33	-	0.4	V
l _l	input leakage current	$V_I = V_{CC}$ or GND; $V_{CC} = 5.5 \text{ V}$	-	-	±0.1	-	±1.0	-	±1.0	μА
I _{CC}	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 5.5 \text{ V}$	-	-	8.0	-	80	-	160	μА
Δl _{CC}	additional supply current	$\begin{aligned} &V_{I} = V_{CC} - 2.1 \text{ V;} \\ &\text{other inputs at } V_{CC} \text{ or GND;} \\ &V_{CC} = 4.5 \text{ V to } 5.5 \text{ V;} \\ &I_{O} = 0 \text{ A} \end{aligned}$								
		per input pin; An inputs	-	150	540	-	675	-	735	μΑ
		per input pin; En inputs	-	125	450	-	562.5	-	612.5	μΑ
		per input pin; E3 input	-	100	360	-	450	-	490	μΑ
C _I	input capacitance		-	3.5	-					pF

10. Dynamic characteristics

Table 7. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); $C_L = 50 \text{ pF}$ unless otherwise specified; for test circuit see Figure 8.

Symbol	Parameter	Conditions	Tan	_{nb} = 25	°C		- –40 °C 85 °C		= −40 °C 125 °C	Unit
			Min	Тур	Max	Min	Max	Min	Max	
74HC138	3									
t _{pd}	propagation	An to \overline{Y} n; see Figure 6								
	delay	V _{CC} = 2.0 V	-	41	150	-	190	-	225	ns
		V _{CC} = 4.5 V	-	15	30	-	38	-	45	ns
		$V_{CC} = 5 \text{ V}; C_L = 15 \text{ pF}$	-	12	-	-	-	-	-	ns
		V _{CC} = 6.0 V	-	12	26	-	33	-	38	ns
		E3 to \overline{Y} n; see Figure 6								
		V _{CC} = 2.0 V	-	47	150	-	190	-	225	ns
		V _{CC} = 4.5 V	-	17	20	-	38	-	45	ns
		$V_{CC} = 5 \text{ V}; C_L = 15 \text{ pF}$	-	14	-	-	-	-	-	ns
		V _{CC} = 6.0 V	-	14	26	-	33	-	38	ns
		En to Yn; see Figure 7								
		V _{CC} = 2.0 V	-	47	150	-	190	-	225	ns
		V _{CC} = 4.5 V	-	17	20	-	38	-	45	ns
		$V_{CC} = 5 \text{ V}; C_L = 15 \text{ pF}$	-	14	-	-	-	-	-	ns
		V _{CC} = 6.0 V	-	14	26	-	33	-	38	ns
t _t	transition time	Yn; see Figure 6 and Figure 7								
		V _{CC} = 2.0 V	-	19	75	-	95	-	110	ns
		V _{CC} = 4.5 V	-	7	15	-	19	-	22	ns
		V _{CC} = 6.0 V	-	6	13	-	16	-	19	ns
C _{PD}	power dissipation capacitance	$C_L = 50 \text{ pF; } f = 1 \text{ MHz;}$ [3] $V_I = \text{GND to } V_{CC}$	-	67	-	-	-	-	-	pF

Table 7. Dynamic characteristics ...continued

Voltages are referenced to GND (ground = 0 V); $C_L = 50 \text{ pF}$ unless otherwise specified; for test circuit see Figure 8.

Symbol	Parameter	Conditions		T _{amb} = 25 °C				= –40 °C -85 °C		= –40 °C 125 °C	Unit
				Min	Тур	Max	Min	Max	Min	Max	
74HCT13	38										
t _{pd}	propagation	An to Yn; see Figure 6	[1]								
	delay	V _{CC} = 4.5 V		-	20	35	-	44	-	53	ns
		$V_{CC} = 5 \text{ V}; C_L = 15 \text{ pF}$		-	17	-	-	-	-	-	ns
		E3 to Yn; see Figure 6	<u>[1]</u>								
		V _{CC} = 4.5 V		-	18	40	-	50	-	60	ns
		$V_{CC} = 5 \text{ V}; C_L = 15 \text{ pF}$		-	19	-	-	-	-	-	ns
		En to Yn; see Figure 7	<u>[1]</u>								
		V _{CC} = 4.5 V		-	19	40	-	50	-	60	ns
		$V_{CC} = 5 \text{ V}; C_L = 15 \text{ pF}$		-	19	-	-	-	-	-	ns
t _t	transition time	Yn; see Figure 6 and Figure 7	[2]								
		V _{CC} = 4.5 V		-	7	15	-	19	-	22	ns
C _{PD}	power dissipation capacitance	C_L = 50 pF; f = 1 MHz; V_I = GND to V_{CC} – 1.5 V	[3]	-	67	-	-	-	-	-	pF

^[1] t_{pd} is the same as t_{PLH} and t_{PHL} .

[3] C_{PD} is used to determine the dynamic power dissipation (P_D in μW).

$$P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \sum (C_L \times V_{CC}^2 \times f_o)$$
 where:

f_i = input frequency in MHz;

 f_o = output frequency in MHz;

C_L = output load capacitance in pF;

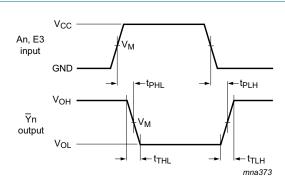
V_{CC} = supply voltage in V;

N = number of inputs switching;

 $\sum (C_L \times V_{CC}^2 \times f_o)$ = sum of outputs.

 $^{[2] \}quad t_t \text{ is the same as } t_{THL} \text{ and } t_{TLH}.$

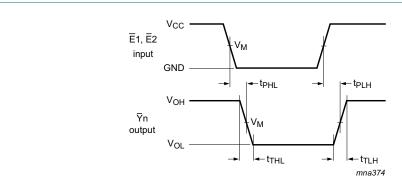
11. Waveforms



Measurement points are given in Table 8.

 V_{OL} and V_{OH} are typical voltage output levels that occur with the output load.

Fig 6. Propagation delay input (An) and enable input (E3) to output (Yn) and transition time output (Yn)



Measurement points are given in Table 8.

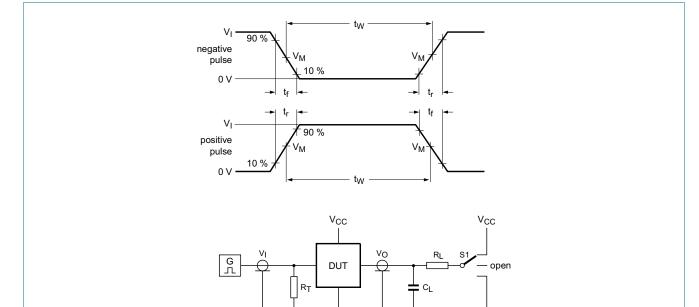
V_{OL} and V_{OH} are typical voltage output levels that occur with the output load.

Fig 7. Propagation delay enable input (En) to output (Yn) and transition time output (Yn)

Table 8. Measurement points

Туре	Input	Output
	V _M	V _M
74HC138	0.5V _{CC}	0.5V _{CC}
74HCT138	1.3 V	1.3 V

001aad983



Test data is given in Table 9.

Definitions test circuit:

 R_T = Termination resistance should be equal to output impedance Z_0 of the pulse generator.

 C_L = Load capacitance including jig and probe capacitance.

 R_L = Load resistance.

S1 = Test selection switch.

Fig 8. Test circuit for measuring switching times

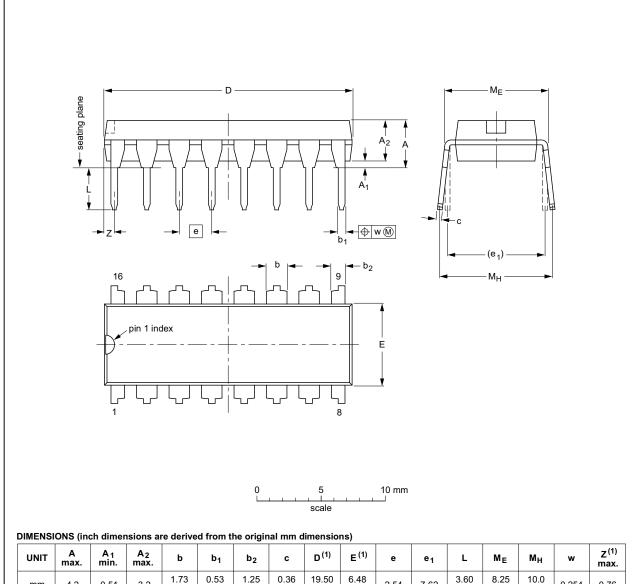
Table 9. Test data

Туре	Input		Load		S1 position			
	V _I	t _r , t _f	C _L R _L t _F		t _{PHL} , t _{PLH}	t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}	
74HC138	V _{CC}	6 ns	15 pF, 50 pF	1 kΩ	open	GND	V _{CC}	
74HCT138	3 V	6 ns	15 pF, 50 pF	1 kΩ	open	GND	V _{CC}	

12. Package outline

DIP16: plastic dual in-line package; 16 leads (300 mil)

SOT38-4



UNIT	A max.	A ₁ min.	A ₂ max.	b	b ₁	b ₂	С	D ⁽¹⁾	E ⁽¹⁾	е	e ₁	L	ME	Мн	w	Z ⁽¹⁾ max.
mm	4.2	0.51	3.2	1.73 1.30	0.53 0.38	1.25 0.85	0.36 0.23	19.50 18.55	6.48 6.20	2.54	7.62	3.60 3.05	8.25 7.80	10.0 8.3	0.254	0.76
inches	0.17	0.02	0.13	0.068 0.051	0.021 0.015	0.049 0.033	0.014 0.009	0.77 0.73	0.26 0.24	0.1	0.3	0.14 0.12	0.32 0.31	0.39 0.33	0.01	0.03

Note

1. Plastic or metal protrusions of 0.25 mm (0.01 inch) maximum per side are not included.

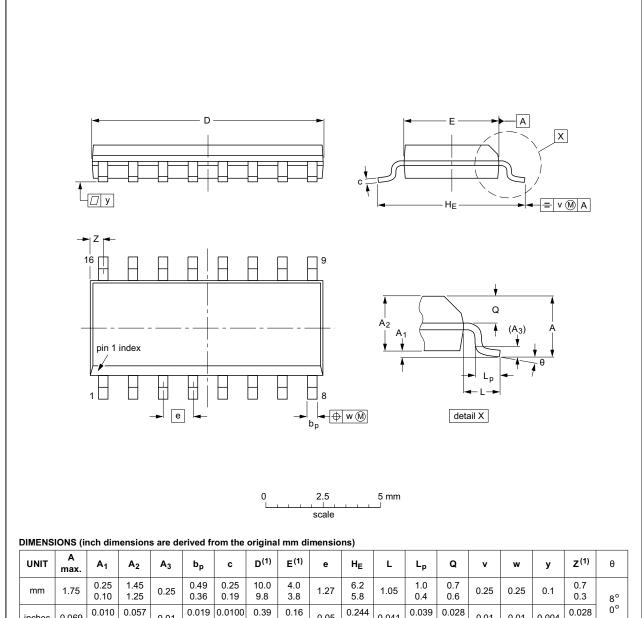
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VERSION	IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE	
SOT38-4						95-01-14 03-02-13	
						03-02-13	

Fig 9. Package outline SOT38-4 (DIP16)

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SO16: plastic small outline package; 16 leads; body width 3.9 mm

SOT109-1



UNIT	A max.	A ₁	A ₂	A ₃	bp	С	D ⁽¹⁾	E ⁽¹⁾	е	HE	L	Lp	Q	v	w	у	Z ⁽¹⁾	θ
mm	1.75	0.25 0.10	1.45 1.25	0.25	0.49 0.36	0.25 0.19	10.0 9.8	4.0 3.8	1.27	6.2 5.8	1.05	1.0 0.4	0.7 0.6	0.25	0.25	0.1	0.7 0.3	8°
inches	0.069	0.010 0.004	0.057 0.049	0.01		0.0100 0.0075	0.39 0.38	0.16 0.15	0.05	0.244 0.228	0.041	0.039 0.016	0.028 0.020	0.01	0.01	0.004	0.028 0.012	0°

Note

1. Plastic or metal protrusions of 0.15 mm (0.006 inch) maximum per side are not included.

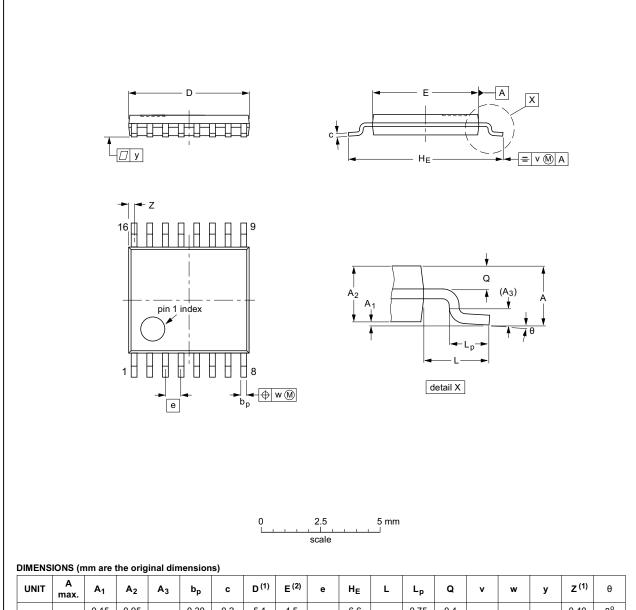
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Fig 10. Package outline SOT109-1 (SO16)

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TSSOP16: plastic thin shrink small outline package; 16 leads; body width 4.4 mm

SOT403-1



_							-,												
	UNIT	A max.	A ₁	A ₂	A ₃	bp	С	D (1)	E (2)	е	HE	L	Lp	Q	v	w	у	Z ⁽¹⁾	θ
	mm	1.1	0.15 0.05	0.95 0.80	0.25	0.30 0.19	0.2 0.1	5.1 4.9	4.5 4.3	0.65	6.6 6.2	1	0.75 0.50	0.4 0.3	0.2	0.13	0.1	0.40 0.06	8° 0°

Notes

- 1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.
- 2. Plastic interlead protrusions of 0.25 mm maximum per side are not included.

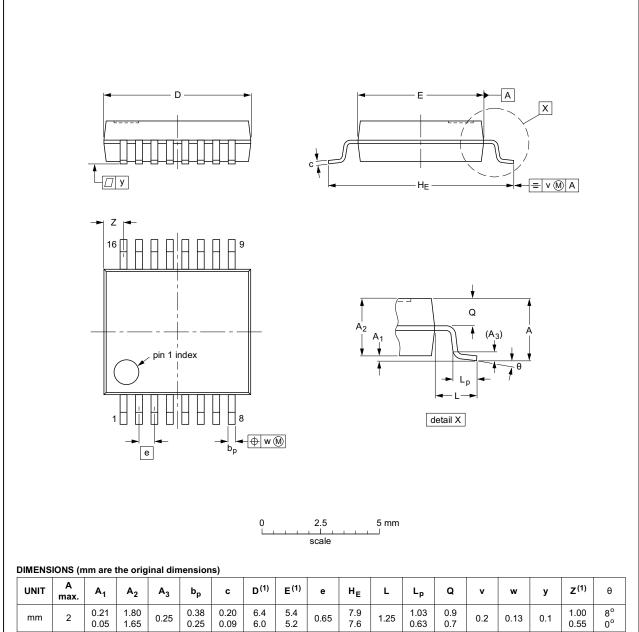
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VERSION	IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE	
SOT403-1		MO-153				99-12-27 03-02-18	

Fig 11. Package outline SOT403-1 (TSSOP16)

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SSOP16: plastic shrink small outline package; 16 leads; body width 5.3 mm

SOT338-1



UNIT	A max.	A ₁	A ₂	A ₃	b _p	C	D ⁽¹⁾	E ⁽¹⁾	е	HE	L	Lp	Q	v	w	у	Z ⁽¹⁾	θ
mm	2	0.21 0.05	1.80 1.65	0.25	0.38 0.25	0.20 0.09	6.4 6.0	5.4 5.2	0.65	7.9 7.6	1.25	1.03 0.63	0.9 0.7	0.2	0.13	0.1	1.00 0.55	8° 0°

Note

1. Plastic or metal protrusions of 0.25 mm maximum per side are not included.

OUTLINE		REFER	ENCES	EUROPEAN ISSUE DA				
VERSION	IEC	JEDEC	JEITA		ISSUE DATE			
SOT338-1		MO-150				99-12-27 03-02-19		

Fig 12. Package outline SOT338-1 (SSOP16)

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DHVQFN16: plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 16 terminals; body 2.5 x 3.5 x 0.85 mm SOT763-1

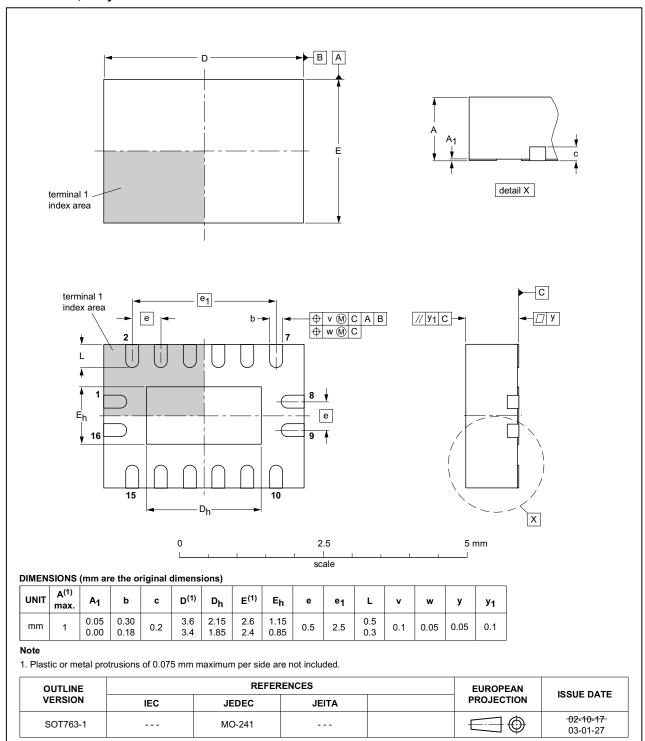


Fig 13. Package outline SOT763-1 (DHVQFN16)

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13. Abbreviations

Table 10. Abbreviations

Acronym	Description
CMOS	Complementary Metal Oxide Semiconductor
DUT	Device Under Test
ESD	ElectroStatic Discharge
НВМ	Human Body Model
TTL	Transistor-Transistor Logic
MM	Machine Model

14. Revision history

Table 11. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74HC_HCT138 v.5	20150126	Product data sheet	-	74HC_HCT138 v.4
Modifications:	• <u>Table 6</u> : OFF-	state output current removed	d because device has no	3-state outputs.
	• <u>Table 7</u> : Powe	r dissipation capacitance co	ndition for 74HCT138 is	corrected.
74HC_HCT138 v.4	20120627	Product data sheet	-	74HC_HCT138 v.3
Modifications:		this data sheet has been red	designed to comply with	the new identity
	 Legal texts ha 	ve been adapted to the new	company name where	appropriate.
	SOT38-1 char	nged to SOT38-4.		
74HC_HCT138 v.3	20051223	Product data sheet	-	74HC_HCT138_CNV v.2
Modifications:		this data sheet has been rec andard of Philips Semicondu	•	the new presentation and
		dering information", Section of DHVQFN package information		and Section 12 "Package
	Section 9 "Sta	tic characteristics": Added fr	om the family specificat	ion
74HC_HCT138_CNV v.2	19970827	Product specification	-	-

15. Legal information

15.1 Data sheet status

Document status[1][2]	Product status[3]	Definition
Objective [short] data sheet	Development	This document contains data from the objective specification for product development.
Preliminary [short] data sheet	Qualification	This document contains data from the preliminary specification.
Product [short] data sheet	Production	This document contains the product specification.

- [1] Please consult the most recently issued document before initiating or completing a design.
- [2] The term 'short data sheet' is explained in section "Definitions"
- [3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the Internet at URL http://www.nxp.com.

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74HC138; 74HCT138

3-to-8 line decoder/demultiplexer; inverting

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